

Supplemental Online Content

Toumi A, Zhao H, Chhatwal J, Linas BP, Ayer T. Association of limited in-person attendance in US National Football League and National Collegiate Athletic Association games with county-level COVID-19 cases. *JAMA Netw Open*. 2021;4(8):e2119621. doi:10.1001/jamanetworkopen.2021.19621

eTable 1. Estimated Average Treatment Effects of NFL and NCAA Football Games With In-Person Attendance on the Spread of COVID-19 Over Time With Pretreatment and Posttreatment Periods set at 14 Days

eTable 2. Estimated Average Treatment Effects of NFL and NCAA Football Games With In-Person Attendance on the Spread of COVID-19 Over Time With Pretreatment and Posttreatment Periods set at 21 Days

This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. Estimated Average Treatment Effects of NFL and NCAA Football Games With In-Person Attendance on the Spread of COVID-19 Over Time With Pretreatment and Posttreatment Periods set at 14 Days

Time (days)	ATT	Standard error	2.5% percentile	97.5% percentile
t+0	2.430	1.52	-0.389	5.57
t+1	2.055	1.69	-1.46	5.45
t+2	1.396	1.56	-1.43	4.57
t+3	2.088	1.46	-0.727	4.91
t+4	3.329	1.67	-0.105	6.62
t+5	2.179	1.58	-1.06	5.04
t+6	-3.535	1.54	-6.76	-0.588
t+7	4.522	1.56	1.45	7.64
t+8	1.258	1.77	-2.28	4.62
t+9	0.706	1.79	-2.83	4.18
t+10	-5.176	2.89	-10.1	0.0656
t+11	1.294	1.40	-1.5	3.9
t+12	1.623	1.49	-1.36	4.41
t+13	-0.789	1.85	-4.73	2.72
t+14	4.722	1.43	1.83	7.39

The average treatment effects on the treated (ATT), standard errors (SE) and 95% confidence intervals are shown over the post-treatment period from t_0 to $t+14$ days.

eTable 2. Estimated Average Treatment Effects of NFL and NCAA Football Games With In-Person Attendance on the Spread of COVID-19 Over Time With Pretreatment and Posttreatment Periods set at 21 Days

Time (days)	ATT	Standard error	2.5% percentile	97.5% percentile
t+0	2.777	1.72	-0.626	5.83
t+1	2.196	2.12	-2.35	6.32
t+2	0.550	2.18	-3.36	5.07
t+3	1.936	1.83	-1.86	5.14
t+4	2.861	1.75	-0.664	6.34
t+5	1.848	2.03	-2.23	5.71
t+6	-3.610	1.62	-7.1	-0.732
t+7	5.064	1.93	0.964	8.69
t+8	1.583	2.20	-2.84	5.71
t+9	-0.778	2.00	-4.64	3.36
t+10	-1.737	1.97	-5.81	1.8
t+11	0.554	1.57	-2.71	3.49
t+12	1.731	1.76	-1.99	5.01
t+13	-1.176	2.04	-5.44	2.55
t+14	4.181	1.85	0.426	7.75
t+15	4.448	2.13	0.127	8.45
t+16	-0.553	2.19	-4.87	3.49
t+17	-1.746	2.25	-6.31	2.45
t+18	-0.275	1.76	-3.83	3.05
t+19	-0.066	1.92	-4.1	3.25
t+20	-0.675	2.20	-5.5	3.4
t+21	-0.814	2.56	-6.05	4.2

The average treatment effects on the treated (ATT), standard errors (SE) and 95% confidence intervals are shown over the post-treatment period from t_0 to $t+21$ days.